

## CD123 protein

Human CD123 Protein, hFc-His Tag

CATALOG #  
**AAA268930**

HOST  
**HEK293 cells**

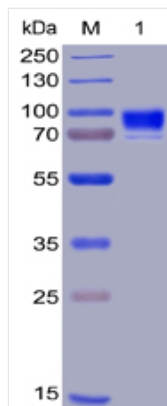
### PRODUCT SYNONYMS

CD123; Human CD123 Protein; hFc-His Tag; IL3R; IL3RA; IL-3Ra; IL-3R-alpha; IL3RAY; IL3RX; IL3RY; CD123 antigen; hIL3Ra; hIL-3Ra; MGC34174; IL-3 R alpha; CD123 protein

### PRODUCT SPECIFICATIONS

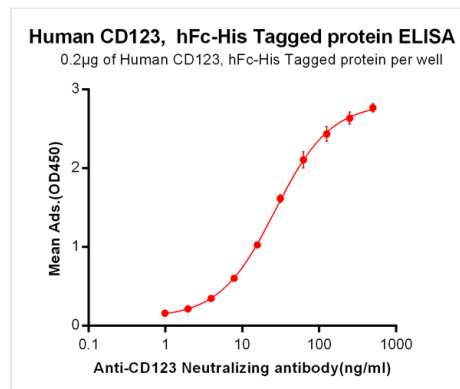
|                         |                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 cells                                                                                                     |
| Purity/Purification     | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.             |
| Form/Format             | Lyophilized from sterile PBS, pH 7.4. Normally 5 %-10 % trehalose is added as protectants before lyophilization. |
| Sequence Positions      | CD123 (Thr19-Arg305)+hFc (Glu99-Ala330)                                                                          |
| Species                 | Human                                                                                                            |
| Vector and Tag          | C-Human Fc and 6xHis tag                                                                                         |
| Preparation and Storage | Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)                                        |

### IMAGES



#### ELISA

Figure 2. ELISA plate pre-coated by 2ug/ml (100ul/well) Human CD123, hFc-His tagged protein (PME100003) can bind Anti-CD123 Neutralizing antibody in a linear range of 0.98-26.70ng/ml.



#### SDS-PAGE

Figure 1. Human CD123, hFc-His Tag on SDS-PAGE under reducing condition.

### ADDITIONAL INFORMATION

#### Related Product Information for CD123 protein

Interleukin 3 receptor alpha (low affinity) (IL3RA), also known as CD123 (Cluster of Differentiation 123) is a 70-kD glycoprotein member of the hematopoietin receptor superfamily. This protein associates with a beta subunit common to the receptors for IL-5 and granulocyte-macrophage colony-stimulating factor (GM-CSF) to form a high-affinity receptor for IL-3. The interleukin-3 receptor alpha chain (CD123) has been identified as a potential immunotherapeutic target because it is overexpressed in AML compared with normal hematopoietic stem cells

NCBI AND UNIPROT INFORMATION

|                  |                                                                                             |
|------------------|---------------------------------------------------------------------------------------------|
| Molecular Weight | The protein has a predicted molecular mass of 80-90kDa after removal of the signal peptide. |
|------------------|---------------------------------------------------------------------------------------------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hek293-protein/cd123/268930>